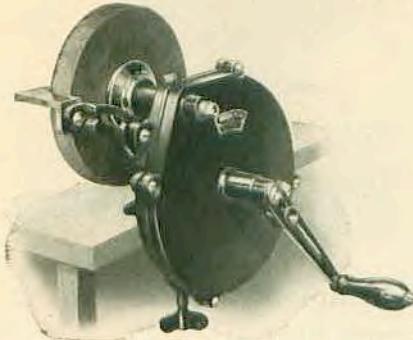


# AMERICAN GRINDER MFG. CO.

*Manufacturers of*

## High Grade Cut Gear Tool Grinders

### AMERICAN GRINDERS



Nos. 1, 2 and 3

#### American Grinder No. 1

##### *For Household Use*

A small size, light in weight, and can be easily clamped on the kitchen table or sink, or on the little bench in the home workshop. It is small enough to fit easily into a drawer or cupboard when not in use. With this grinder all the household cutlery can be kept in good condition, and the man who loves to tinker around the house can have his set of household tools in perfect shape for immediate use.

Size of Grinding Wheel ..... 4 x 1 in.  
 Diameter of Gear Case ..... 5 in.  
 Carborundum Wheel, Grade and Grit ..... 100-J  
 Net Weight of Grinder ..... 4½ lbs.  
 Case of 12, Gross Weight, 86 lbs., Net Weight ..... 54 lbs.  
 Measurements of Case ..... 21 x 16 x 14  
 Cubic Capacity of Case, in Feet ..... 2.9

#### American Grinder No. 2

##### *For the Mechanic*

A popular size for the mechanic. It is just the right size to fit handily into a tool chest, and big enough to do the largest tool grinding required by the carpenter or mechanic who goes out on the job.

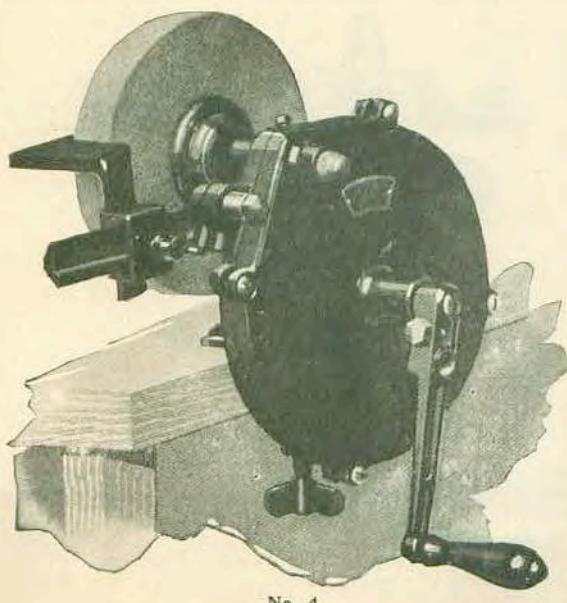
Size of Grinding Wheel .....	5 x 1 in.
Diameter of Gear Case .....	6 in.
Carborundum Wheel, Grade and Grit .....	80-J
Net Weight of Grinder .....	7 lbs.
Case of 12, Gross Weight, 114 lbs., Net Weight .....	84 lbs.
Measurements of Case .....	24 x 19 x 16
Cubic Capacity of Case, in Feet .....	4.3

#### American Grinder No. 3

##### *For Shop and Garage*

Just the right size to have a permanent place at the end of the work bench in a small work shop or private garage. Monument workers find it just the thing for sharpening their lettering tools.

Size of Grinding Wheel .....	6 x 1 in.
Diameter of Gear Case .....	7½ in.
Carborundum Wheel, Grade and Grit .....	70-J
Net Weight of Grinder .....	10 lbs.
Case of 12, Gross Weight, 150 lbs., Net Weight .....	120 lbs.
Measurements of Case .....	26 x 20 x 17
Cubic Capacity of Case, in Feet .....	5.1



No. 4

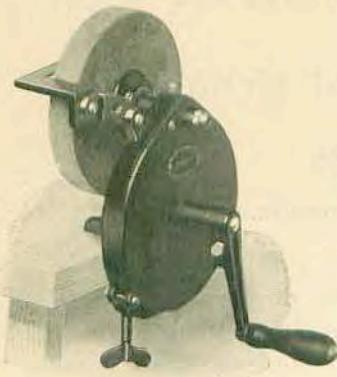
#### American Grinder No. 4

##### *For Factory Use*

A powerful tool sharpener for heavy work in Factories, Machine Shops, Lumber Camps and on Ranches and Plantations; although large in size it is so smooth-running that the heaviest grinding is easily handled. It can be furnished with Foot Power Attachment if desired.

Size of Grinding Wheel .....	7 x 1¼ in.
Diameter of Gear Case .....	10 in.
Carborundum Wheel, Grade and Grit .....	60-J
Net Weight of Grinder .....	17½ lbs.
Case of 6, Gross Weight, 136 lbs., Net Weight .....	105 lbs.
Measurements of Case .....	29 x 16 x 15
Cubic Capacity of Case, in Feet .....	4.0

## CHAMPION GRINDERS

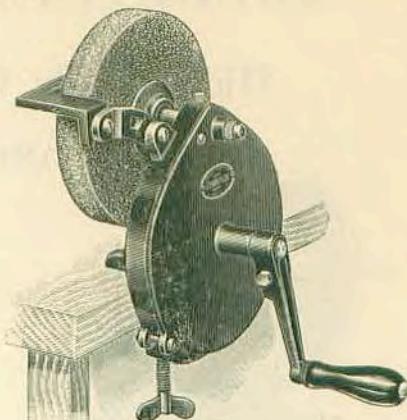


No. 1

**Champion Grinder No. 1**  
*For Household Use*

This is the smallest size of a standard type popular-priced grinder for competitive trade. It has not the distinctive finish or exclusive features of the American, but is a well-made, useful grinder which gives good service, and an excellent value at its price. It is a handy little household tool for keeping cutlery sharpened.

Size of Grinding Wheel ..... 4 x  $\frac{3}{4}$  in.  
 Diameter of Gear Case ..... 5 in.  
 Corundum Wheel, Grade and Grit ..... 100-J.  
 Net Weight of Grinder ..... 4 $\frac{1}{2}$  lbs.  
 Case of 12, Gross Weight, 86 lbs., Net Weight ..... 54 lbs.  
 Measurements of Case ..... 21 x 16 x 14  
 Cubic Capacity of Case, in Feet ..... 2.9



Nos. 2 and 3

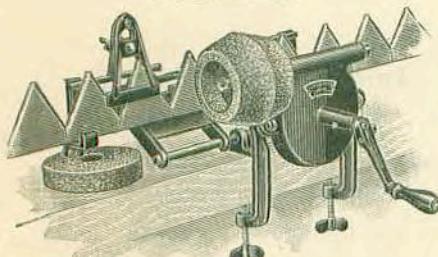
**Champion Grinder No. 2**

Size of Grinding Wheel	5 x 1 in.
Diameter of Gear Case	6 in.
Corundum Wheel, Grade and Grit	80-J.
Net Weight of Grinder	7 lbs.
Case of 12, Gross Weight, 114 lbs., Net Weight	84 lbs.
Measurements of Case	24 x 19 x 16
Cubic Capacity of Case, in Feet	4.3

**Champion Grinder No. 3**

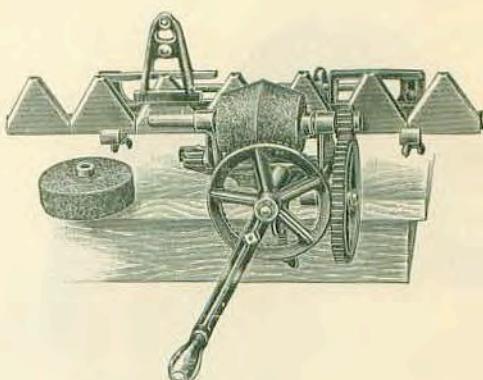
Size of Grinding Wheel	6 x 1 in.
Diameter of Gear Case	7 $\frac{1}{2}$ in.
Corundum Wheel, Grade and Grit	70-J.
Net Weight of Grinder	10 lbs.
Case of 12, Gross Weight, 150 lbs., Net Weight	120 lbs.
Measurements of Case	26 x 20 x 17
Cubic Capacity of Case, in Feet	5.1

## SICKLE AND TOOL GRINDERS

**American No. 5**
**Sickle and Tool Grinder**  
*For Farm Use*


A grinder for all around use on the farm, is furnished with two corundum wheels—one sickle cone for grinding mower knives, and one tool wheel for general work. This grinder, with its ball bearings and worm shaft drive, runs as smoothly and quietly as a cream separator. A double malleable clamp locks the grinder firmly in place, on work bench or mower wheel, insuring perfect balance and accurate sharpening, with smooth, even transmission.

Size of Tool Grinding Wheel ..... 5 x 1 $\frac{1}{4}$  in.  
 Size of Sickle Cone ..... 4 $\frac{1}{4}$  x 3 $\frac{1}{2}$  in.  
 Corundum Wheels, Grade and Grit ..... 60-J.  
 Net Weight of Grinder ..... 18 lbs.  
 Case of 6, Gross Weight, 150 lbs., Net Weight ..... 108 lbs.  
 Measurements of Case ..... 30 x 20 x 15  
 Cubic Capacity of Case in Feet ..... 5.3

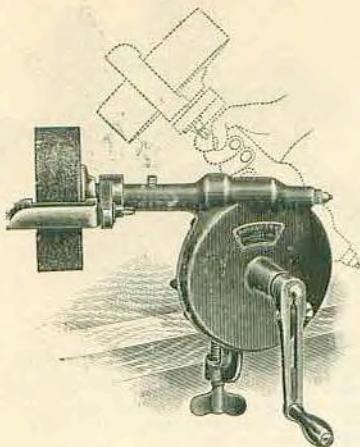
**Champion No. 25**
**Sickle and Tool Grinder**

*Specifications*

Size of Tool Grinding Wheel	4 x 1 $\frac{1}{4}$ in.
Size of Sickle Cone	3 x 3 $\frac{1}{2}$ in.
Corundum Wheels, Grade and Grit	60-J.
Net Weight of Grinder	38 lbs.
Case of 6, Gross Weight, 150 lbs., Net Weight	108 lbs.
Measurements of Case	30 x 20 x 15
Cubic Capacity of Case, in Feet	5.3

## JOHN H. GRAHAM &amp; CO. DIRECT REPRESENTATIVES

## American No. 6, Tilting Grinder

For Broad Edged Tools

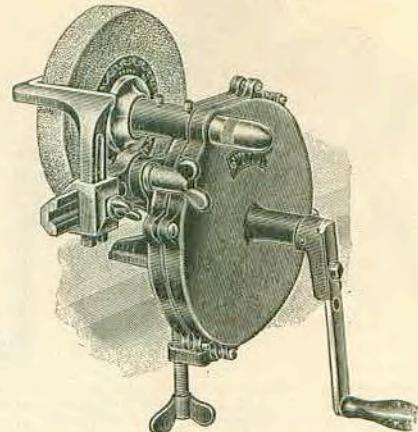


A world-beater for sharpening broad-edged tools—meat chopper blades, clippers, etc.—and for garage use. The bearing is placed at a 30-degree angle from the drive wheel, keeping the handle out of the way of the operator. It adjusts with an easy one-hand lift. Ball bearings and worm shaft drive insure smooth, noiseless transmission.

Size of Grinding Wheel.....5 x 1½ in.  
Diameter of Gear Case.....6 in.  
Carborundum Wheel, Double Grit.....70-J. and F.  
Net Weight of Grinder.....10½ lbs.  
Case of 12, Gross Weight, 170 lbs., Net Weight.....126 lbs.  
Measurements of Case.....26 x 19 x 17  
Cubic Capacity of Case, in Feet.....4.1

## American Liberty Grinder

With Bronze Bearings



The Liberty Model of the American line is the highest development of hand power grinder, designed for use with our perfected Twist Drill Attachment, Flat Bit and Chisel Attachments and Wheel Dresser, as shown on pages 277 and 278. The Liberty Grinder is recommended for use in Shipyards, Railroad and Construction Work, Lumber Camps, Mining and Engineering, Signal and Line Repair Work, Machine Shops, Garages, Industrial Training Schools, etc.

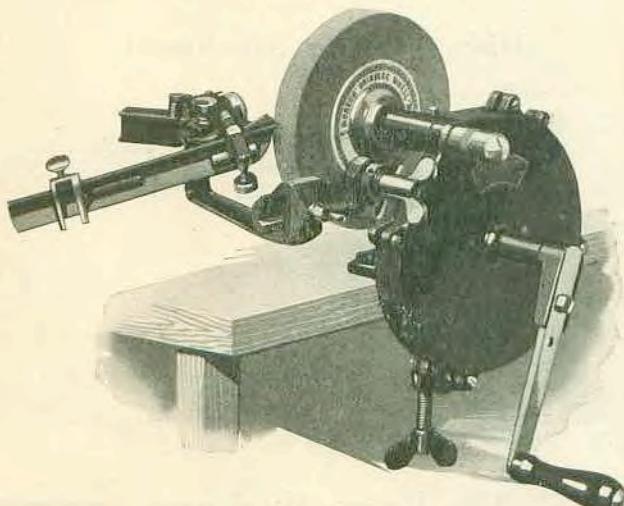
Size of Grinding Wheel ..... 8 x 1¼ in.  
Diameter of Gear Case ..... 12 in.  
Corundum Grinding Wheel, Grade and Grit ..... 60-J.  
Box of 1, Gross Weight, 50 lbs., Net Weight ..... 38 lbs.  
\*Measurements of Case ..... 19 x 13 x 11  
Cubic Capacity of Case, in Feet ..... 1.7

\*Large enough to include Attachments if ordered.

## ATTACHMENTS

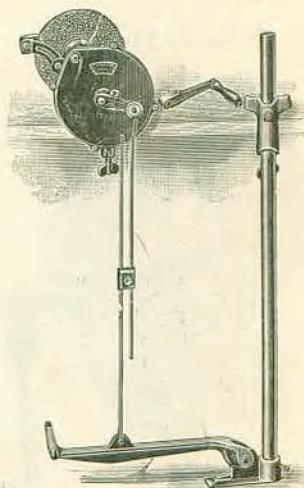
## Flat Bit Attachment

Used for Railroad Work



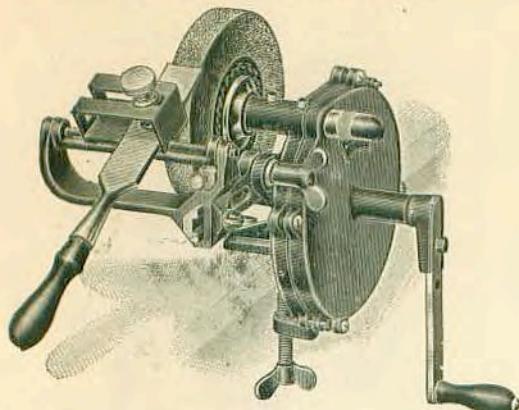
The Flat Bit Attachment for use with the Liberty Model American Grinder is used largely on railroad work. It is carefully designed with standard clearance, correctly centered, and will dress a bit with perfect cutting edges.

## Foot Power Attachment



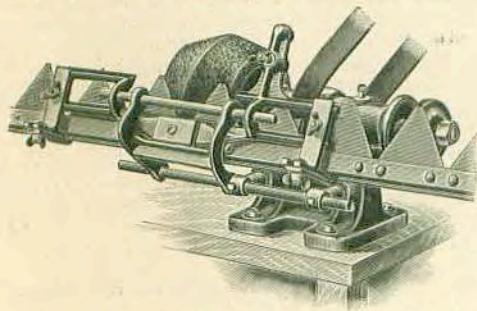
Foot power attachment for American Grinders Nos. 3 and 4, the Liberty Model, and Champion, No. 3, is illustrated here. It is easy to set up, compact and convenient. Adjusts to height of work bench.

## Chisel Attachment



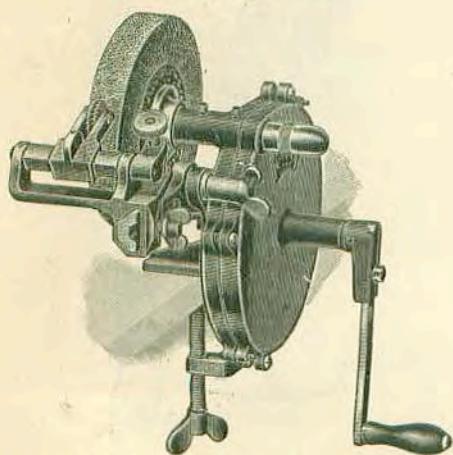
This attachment insures positive and accurate grinding of Chisels and Plane Bits to any bevel of cutting edge. The tool is held firmly in place by an adjustable clamping device. A roller bearing allows free movement, left and right, to insure even grinding on the face of the wheel.

## Sickle Holding Attachment



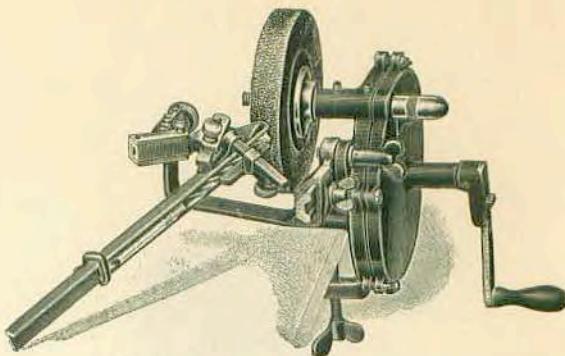
The Automatic Sickle Holder furnished with the American No. 60 Power Grinder, described on the following page, is capable of holding any make of mower knife. It can be adjusted to any width or thickness of knife, and it carries the full weight of the sickle. The operator has full view of the work and easily controls the pressure. Furnished complete with No. 60 Farm Equipment.

## Wheel Dresser



A grinding wheel becomes glazed, especially when soft metals are ground, or it may become rounded or grooved. The Wheel Dresser trues it up and dresses the grinding surface as good as new. This minimizes heating of the tool and prolongs the life of the wheel. A screw adjustment gives the necessary pressure on the wheel to cut away imperfections.

## Twist Drill Attachment



The American Liberty Grinder Twist Drill Attachment insures correct cutting clearance for drills  $3/16$  inch to  $1\frac{1}{4}$  inch in diameter, with Graduated Adjustment by sixteenths. It gives results equal to the expensive machines especially built for twist drill grinding, is easy to set up in the shop or on outside work, and prevents costly delays by keeping drills in condition on the job.

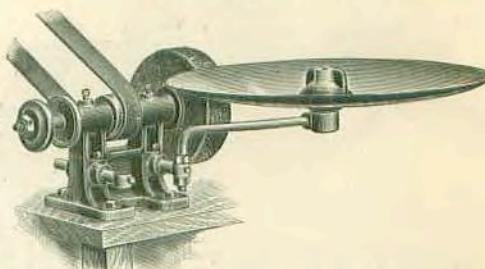
## GRADUATED ADJUSTMENT FOR RADIUS AND CLEARANCE

MICROMETER FEED REGULATOR



The Micrometer Feed Regulator used with Twist Drill Attachment, illustrated above, insures accurate grinding of both lips of drill to the same exact point.

## Disc Grinding Attachment



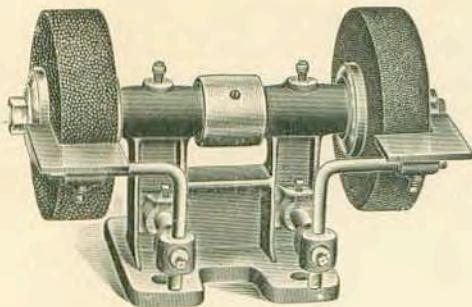
The American Disc Grinding Attachment, furnished with the No. 60 outfit, is simple and convenient, keeping the operation in full view of the operator and permitting the greatest freedom of movement. Furnished complete with No. 60 Farm Equipment.

## Also Power Attachments

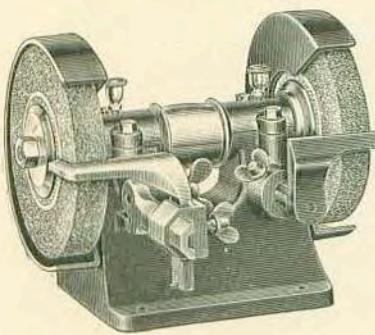
The attachments listed on pages 277 and 278 (Twist Drill, Flat Bit, Chisel and Wheel Dresser), for use with the American Liberty Model Grinder, may also be used with American Power Grinder No. 75, described on Page 279. The tool Holder with Micrometer Feed Regulator is a basic part of the Twist Drill and Flat Bit Attachments.

JOHN H. GRAHAM &amp; CO. DIRECT REPRESENTATIVES

## American No. 50, Power Grinder

*For Shop Use*

**American No. 75, Power Grinder**  
*With Bronze Bearings*



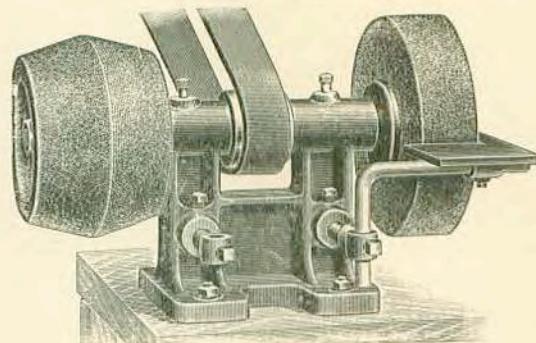
Built with specially ground high carbon steel shaft and liberal bearing capacity, also substantial bronze bearings, split for adjusting and interchangeable. The bearings are self-oiled, by means of a ring oiler, and all parts are protected from dust and dirt. One of the two rest supports is machined for using the Liberty Twist Drill Attachment, Flat Bit and Chisel Attachments and the Wheel Dresser, described on the foregoing pages. The Power Grinder is equipped with two grinding wheels, one fine and one coarse grit, and protected by adjustable Wheel Guards.

Size of Grinding Wheels, each.....8 x 1 $\frac{1}{4}$  in.  
Height to Center of Spindle.....6 $\frac{1}{2}$  in.  
Length of Spindle.....13 $\frac{1}{2}$  in.  
Diameter of Spindle..... $\frac{7}{8}$  in.  
Diameter of Pulley.....2 $\frac{1}{2}$  in.  
Face of Pulley.....2 $\frac{1}{2}$  in.  
Distance Between Wheels.....11 in.  
Length of Bearing.....3 in.  
Measurement of Base.....8 x 9 in.  
Net Weight of Grinder.....50 lbs.  
In Crates of 3, Gross Weight.....180 lbs.  
Measurements of Crate.....38 x 18 x 11  
Cubic Capacity of Crate, in Feet.....4.4

This is a simple, inexpensive, yet efficient and reliable grinder for shop use. It is designed especially for farms and small shops where power is available. It is furnished complete with two adjustable tool rests and two Corundum Grinding Wheels, one coarse and one fine grit.

Size of Grinding Wheels.....	6 x 1 $\frac{1}{4}$ in.
Height to Center of Spindle .....	4 $\frac{1}{2}$ in.
Length of Spindle.....	12 in.
Diameter of Spindle.....	$\frac{3}{4}$ in.
Diameter of Pulley.....	2 in.
Face of Pulley.....	1 $\frac{1}{2}$ in.
Distance Between Wheels .....	8 $\frac{1}{2}$ in.
Length of Bearings .....	2 $\frac{1}{4}$ in.
Measurements of Base.....	5 $\frac{1}{2}$ x 5 in.
Net Weight, Each .....	18 lbs.
In Crates of 4, Shipping Weight.....	120 lbs.
Measurements of Crate .....	41 x 15 x 13
Cubic Capacity of Crate, in Feet.....	4.8

**American No. 60, Power Grinder**  
*With Farm Equipment*



Ideal for farm use where there is a gasoline engine, wind mill, or other form of power available. It is the same power head as the American No. 50, equipped with two Tool Grinding Wheels, one fine and one coarse grit, a large bevel Sickle Cone, Mower Knife Holder and Disc Grinding Attachment.

Size of Grinding Wheels.....6 x 1 $\frac{1}{4}$  in.  
Size of Sickle Cone.....5 $\frac{1}{2}$  x 3 $\frac{1}{2}$  in.  
Sickle Attachment and Disc Attachment  
Height to Center of Spindle.....4 $\frac{1}{2}$  in.  
Length of Spindle.....12 in.  
Diameter of Spindle..... $\frac{3}{4}$  in.  
Diameter of Pulley ..... 2 in. Face of Pulley.....1 $\frac{1}{2}$  in. Distance Between Wheels ..... | 8 $\frac{1}{2}$  in. Length of Bearings ..... | 2 $\frac{1}{4}$  in. Measurements of Base..... | 5 $\frac{1}{2}$  x 5 in. Net Weight, Each, Complete.....30 lbs. In Crate of 4, Shipping Weight.....170 lbs. Measurement of Crate.....41 x 15 x 13 Cubic Capacity of Crate, in Feet.....4.8 |